

Name: _____

Date: _____

Period: _____

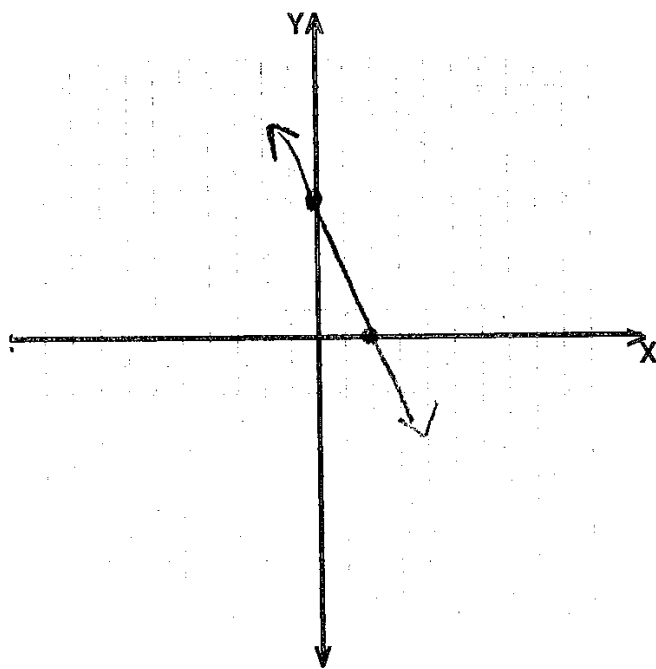
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Standard Form Quiz

Find the x- and y-intercepts. Then graph each equation using the intercepts. (3 points each)

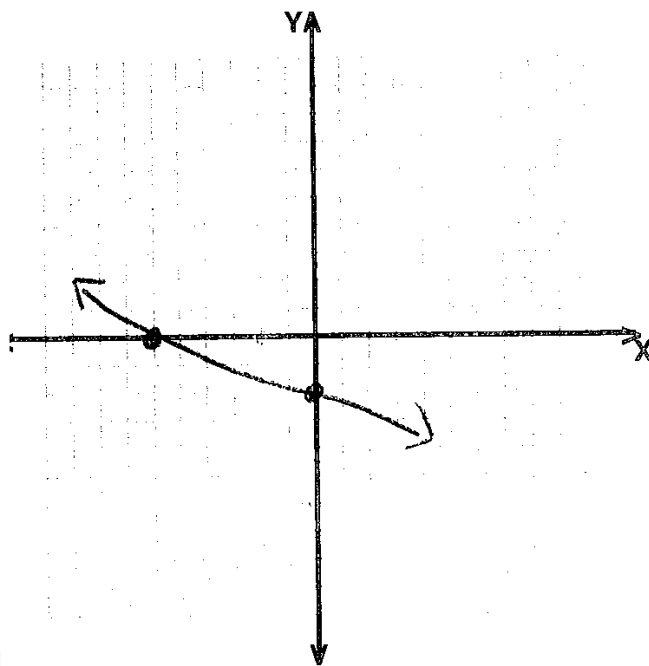
$5x + 2y = 10$

x-int: 2 y-int: 5



$x + 3y = -6$

x-int: -6 y-int: -2



Write each equation in standard form using only integers. (2 points each)

$y = \frac{3}{5}x + 7$

$$5y = 3x + 35$$

$$-3x + 5y = 35$$

$$\boxed{3x - 5y = -35}$$

$y = -\frac{1}{3}x + 2$

$$-3y = x - 6$$

$$-x - 3y = -6$$

$$\boxed{x + 3y = 6}$$

$y = 4x - 7$

$$-4x + y = -7$$

$$\boxed{4x - y = 7}$$

A tire dealer sells Supreme tires for \$48 each and Prestige tires for \$56 each. During one week the sales for both tires \$2016.

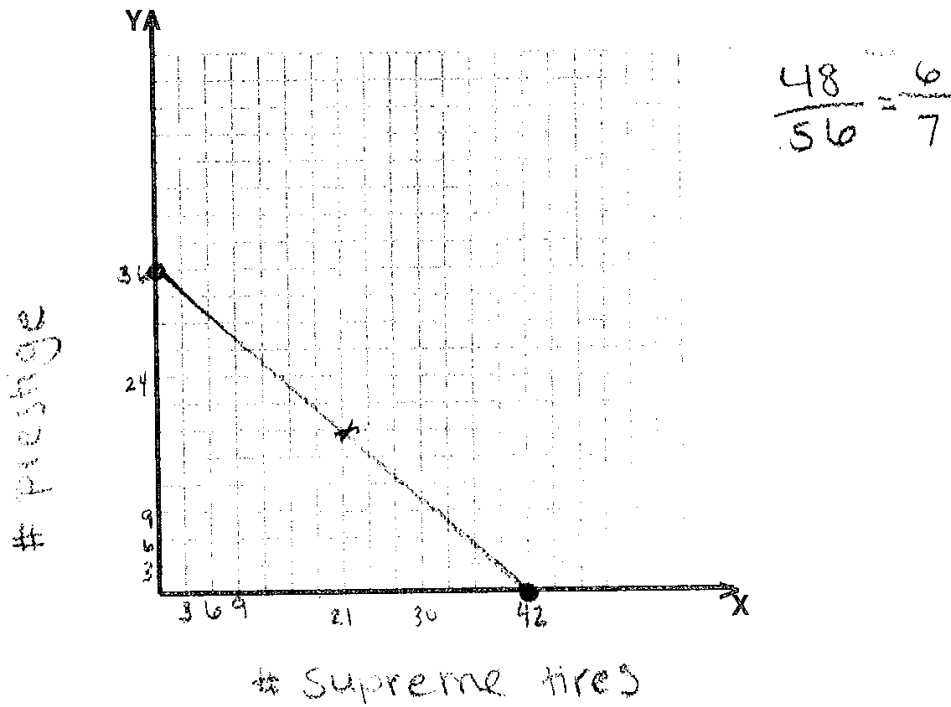
Write an equation to determine the number of tires sold. (5 points)

Let $x =$ # Supreme Let $y =$ # Prestige

Equation: $48x + 56y = 2016$

x-int: 42 y-int: 36

Graph your equation. (2 points)



a. Use your graph to list one possible combination. (1 point)

x	y
21	18

21 Supreme & 18 prestige